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NO. 3529 P. 3

Docket No.: 21282-00046-US1  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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MAR 21 2005

In re Patent Application of:  
Vincenc Nemanic et al.

Application No.: 10/522,740

Confirmation No.: N/A

Filed: February 1, 2005

Art Unit: N/A

For: USE OF QUASI-ONE-DIMENSIONAL  
TRANSITION METAL TERNARY  
COMPOUNDS AND QUASI-ONE-  
DIMENSIONAL TRANSITION METAL  
CHALCOGENIDE COMPOUNDS AS  
ELECTRON EMITTERS

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed within three months of the date of entry of the national stage of an international application as set forth in 37 CFR 1.491 (37 CFR 1.97(b)(2)).

A copy of each reference on the PTO/SB/08 is attached.

379259

Application No.: Not Yet Assigned

Docket No.: 21282-00046-US1

A concise explanation of relevance of the items listed on form PTO/SB/08 is in the form of an English language copy of a Search Report from a foreign patent office, issued in PCT/SI03/00027, a counterpart application, which refers to the relevant portions of the references.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 22-0185, under Order No. 21282-00046-US1.

Dated: 3-21-05

Respectfully submitted,

By 

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PTO/6B/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0551-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/522,740
				Filing Date	February 1, 2005
				First Named Inventor	Vincenc Nemanic
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	21282-00046-US1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>4</sup>
	CA	"A New Type of One-Dimensional Compound: Structure of Nb <sub>4</sub> (Te <sub>2</sub> ) <sub>4</sub> Te <sub>4</sub> " by Deng et al., <i>Acta Cryst.</i> , 1993, vol. C49, pages 1135-1137.		✓
	CB	"Field-emission properties of molybdenum disulfide nanotubes" by Nemanic et al. <i>Applied Physics Letters</i> , June 23, 2003, vol. 82, no. 25, pages 4573-4575.		✓
	CC	"Nb <sub>2</sub> Se <sub>2</sub> S <sub>6</sub> : A New Structural Variation of Niobium Chalcogenide Halides with Chain Structure" by Schmidt et al., <i>Z. Anorg. Allg. Chem.</i> , 1999, vol. 625, pages 1056-1058.		✓
	CD	"New One-Dimensional V <sub>6</sub> Transition Metal Tetrachalcogenides Structural and Transport Properties" by Gressier et al., <i>Journal de Physique</i> , June 1983, vol. 44, no. 06, pages C3-1741 - C3-1743.		✓
	CE	"Metallic Sub-Nanometer MoS <sub>2-x</sub> Nanotubes" by Remskar et al., <i>Adv. Mater.</i> , February 5, 2002, vol. 15, no. 3, pages 237-240.		✓

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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Examiner Signature 379258		Date Considered	
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